CENTON

Memories that last forever ®

Server Memory Solutions

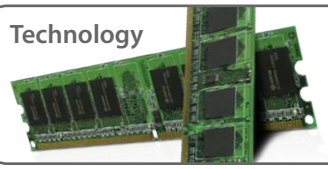
Choosing a Manufacturer for Server Memory

- Each server is unique, there are many types of configurations and it is critical that you get the right combination of density, speed, bandwidth, form factor, and height for your server. Centon's Upgrade Team reviews the specs of each server to ensure compatibility and can assist you in trouble shooting system errors related to your system's memory. By choosing Centon, we guarantee the compatibility of our Server Memory upgrades with your system.

Product Warranty

- Centon's Server Memory Upgrades are backed by a Lifetime Warranty & Free Technical Support. This warranty covers "pre-failure" warnings from system fault management tools, so Centon will replace the memory, even if it hasn't actually failed.
- Users commonly ask if adding 3rd party memory will void their system warranty. The answer is NO; using 3rd party memory will not void your warranty, as defined by the Magnunson-Moss Warranty Act.

Technology



DDR	DDR2	DDR3
• ECC/Unbuffered • ECC/Registered • 512MB-2GB	• VLP (very low profile) • Fully-Buffered DIMM • 512MB-4GB	• Newest Offering • 1GB-4GB

For more info, please visit www.centon.com/business or call Centon Direct: 1-800-836-1986, M-F 9AM-5PM PST

Quality Assurance & Testing

Quality Components:

- Centon server PCBs are fabricated with 30 micro inches of gold to ensure optimal DIMM connectivity.
- Only tier 1 DRAM is utilized in BOMs for guaranteed reliability.
- Automated SMT lines with full pick and place vision capability for component placement within 5 microns.

Design Validation Testing:

- Centon's designs are put through third party qualifications utilizing CMTL, Intel, Tyan and other motherboard manufacturers.
- All prototype designs go through extensive testing on multiple platforms for an extended period of time.

Production Testing:

- Every module is 100% system tested to fully stress the memory cells which screens out potentially defective modules utilizing proprietary test software (CSMTS).

To look up compatible solutions for your server, please visit www.centon.com/server

Density	Technology	Pin Count	Speed	Centon Part #	Control	Height	DRAM Config.	Module Config.	Voltage
1GB	DDR DIMM	184pin	PC1600 (200MHz)	RD574G07	Registered	1.2	64MX8	128X72	2.5V
512MB	DDR DIMM	184pin	PC1600 (200MHz)	RD649G07	Unbuffered	0.8	64MX8	64X72	2.5V
1GB	DDR DIMM	184pin	PC2100 (266Mhz)	RD574G04	Registered	1.2	64MX8	128X72	2.5V
2GB	DDR DIMM	184pin	PC2100 (266Mhz)	RD634G01	Registered	1.2	128MX4	256X72	2.5V
512MB	DDR DIMM	184pin	PC2100 (266Mhz)	RD649G04	Unbuffered	0.8	64MX8	64X72	2.5V
1GB	DDR DIMM	184pin	PC2700 (333Mhz)	RD491H02	Unbuffered	1.25	64MX8	128X72	2.5V
1GB	DDR DIMM	184pin	PC2700 (333Mhz)	RD571G01	Registered	1.2	64MX8	128X72	2.5V
512MB	DDR DIMM	184pin	PC2700 (333Mhz)	RD574G01	Registered	1.2	32MX8	64X72	2.5V
512MB	DDR DIMM	184pin	PC2700 (333Mhz)	RD649G03	Unbuffered	0.8	64MX8	64X72	2.5V
1GB	DDR DIMM	184pin	PC3200 (400Mhz)	RD557G02	Unbuffered	1.25	64MX8	128X72	2.6V
1GB	DDR DIMM	184pin	PC3200 (400Mhz)	RD574G03	Registered	1.2	64MX8	128X72	2.6V
2GB	DDR DIMM	184pin	PC3200 (400Mhz)	RD684G01	Registered	0.72	256MX4	256x72	2.6V
512MB	DDR DIMM	184pin	PC3200 (400Mhz)	RD557G01	Unbuffered	1.25	64MX8	64X72	2.6V
512MB	DDR DIMM	184pin	PC3200 (400Mhz)	RD574G02	Registered	1.2	32MX8	64X72	2.6V
512MB	DDR DIMM	184pin	PC3200 (400Mhz)	RD574G05	Registered	1.2	64MX8	64X72	2.6V
1GB	DDR SODIMM	200pin	PC2100 (266Mhz)	RD651H02	Unbuffered	1.85	64MX8	128X72	2.5V
1GB	DDR SODIMM	200pin	PC2700 (333Mhz)	RD651H01	Unbuffered	1.85	64MX8	128X72	2.5V
2GB	DDR2 DIMM	240pin	PC2-3200 (400 Mhz)	RD588G01	Registered	1.18	256MX4	256X72	1.8V
2GB	DDR2 DIMM	240pin	PC2-3200 (400 Mhz)	RD589G04	Registered	1.18	128MX8	256X72	1.8V
4GB	DDR2 DIMM	240pin	PC2-3200 (400 Mhz)	RD668G04	Registered	1.18	256MX4	512X72	1.8V
1GB	DDR2 DIMM	240pin	PC2-4200 (533Mhz)	RD589G02	Registered	1.18	64MX8	128X72	1.8V
1GB	DDR2 DIMM	240pin	PC2-4200 (533Mhz)	RD633G01	Registered	0.72	128MX4	128X72	1.8V
1GB	DDR2 DIMM	240pin	PC2-4200 (533Mhz)	RD638G01	Unbuffered	1.18	64MX8	128X72	1.8V
2GB	DDR2 DIMM	240pin	PC2-4200 (533Mhz)	RD588G02	Registered	1.18	256MX4	256X72	1.8V
2GB	DDR2 DIMM	240pin	PC2-4200 (533Mhz)	RD589G06	Registered	1.18	128MX8	256X72	1.8V
2GB	DDR2 DIMM	240pin	PC2-4200 (533Mhz)	RD638G03	Unbuffered	1.18	128MX8	256X72	1.8V
512MB	DDR2 DIMM	240pin	PC2-4200 (533Mhz)	RD589G01	Registered	1.18	32MX8	64X72	1.8V
1GB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD589G03	Registered	1.18	64MX8	128X72	1.8V
1GB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD622H01	Registered	1.18	128MX8	128X72	1.8V
1GB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD633G02	Registered	0.72	128MX4	128X72	1.8V
1GB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD638G02	Unbuffered	1.18	64MX8	128X72	1.8V
1GB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD671G01	Registered	0.72	128MX4	128X72	1.8V
2GB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD588G03	Registered	1.18	256MX4	256X72	1.8V
2GB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD589G05	Registered	1.18	128MX8	256X72	1.8V
2GB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD633G03	Registered	0.72	256MX4	256X72	1.8V
2GB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD638G04	Unbuffered	1.18	128MX8	256X72	1.8V
2GB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD668G01	Registered	1.18	128MX4	256X72	1.8V
4GB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD633G04	Registered	0.72	512MX4	512X72	1.8V
4GB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD638G05	Unbuffered	1.18	256MX8	512X72	1.8V
4GB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD668G02	Registered	1.18	256MX4	512X72	1.8V
512MB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD622H02	Registered	1.18	64MX8	64X72	1.8V
512MB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD653G01	Unbuffered	1.18	64MX8	64X72	1.8V
512MB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD619H01	Unbuffered	1.18	64Mx8	64X72	1.8V
512MB	DDR2 DIMM	240pin	PC2-5300 (667Mhz)	RD626G01	Registered	1.18	64Mx8	64X72	1.8V
1GB	DDR2 DIMM	240pin	PC2-6400 (800MHz)	RD638G07	Unbuffered	1.18	64MX8	128X72	1.8V
2GB	DDR2 DIMM	240pin	PC2-6400 (800MHz)	RD589G08	Registered	1.18	128MX8	256X72	1.8V
2GB	DDR2 DIMM	240pin	PC2-6400 (800MHz)	RD638G06	Unbuffered	1.18	128MX8	256x72	1.8V
4GB	DDR2 DIMM	240pin	PC2-6400 (800MHz)	RD668G03	Registered	1.18	256MX4	512X72	1.8V
512MB	DDR2 DIMM	240pin	PC2-6400 (800MHz)	RD622H03	Registered	1.18	128MX8	128X72	1.8V
1GB	DDR2 FBDIMM	240pin	PC2-4200 (533Mhz)	RD628G01	Buffered	1.19	64MX8	128X72	1.8V

Server Memory Products Cont.

visit centon.com for a complete list

Density	Technology	Pin Count	Speed	Centon Part #	Control	Height	DRAM Config.	Module Config.	Voltage
2GB	DDR2 FBDIMM	240pin	PC2-4200 (533Mhz)	RD628G06	Buffered	1.19	128MX8	256X72	1.8V
4GB	DDR2 FBDIMM	240pin	PC2-4200 (533Mhz)	RD629G01	Buffered	1.19	256MX4	512X72	1.8V
512MB	DDR2 FBDIMM	240pin	PC2-4200 (533Mhz)	RD639G01	Buffered	1.19	64MX8	64X72	1.8V
1GB	DDR2 FBDIMM	240pin	PC2-5300 (667Mhz)	RD628G02	Buffered	1.19	64MX8	128X72	1.8V
1GB	DDR2 FBDIMM	240pin	PC2-5300 (667Mhz)	RD628G03	Buffered	1.19	64MX8	128X72	1.8V
2GB	DDR2 FBDIMM	240pin	PC2-5300 (667Mhz)	RD628G07	Buffered	1.19	128MX8	256X72	1.8V
2GB	DDR2 FBDIMM	240pin	PC2-5300 (667Mhz)	RD628G08	Buffered	1.19	128MX8	256X72	1.8V
4GB	DDR2 FBDIMM	240pin	PC2-5300 (667Mhz)	RD666G01	Buffered	1.19	256MX4	512X72	1.8V
4GB	DDR2 FBDIMM	240pin	PC2-5300 (667Mhz)	RD666G02	Buffered	1.19	256MX4	512X72	1.8V
4GB	DDR2 FBDIMM	240pin	PC2-5300 (667Mhz)	RD679G02	Buffered	1.18	128MX8	512X72	1.8V
512MB	DDR2 FBDIMM	240pin	PC2-5300 (667Mhz)	RD639G02	Buffered	1.19	64MX8	64X72	1.8V
8GB	DDR2 FBDIMM	240pin	PC2-5300 (667Mhz)	RD666G05	Buffered	1.19	512MX4	1024X72	1.8V
1GB	DDR2 FBDIMM	240pin	PC2-6400 (800MHz)	RD628G04	Buffered	1.19	64MX8	128X72	1.8V
1GB	DDR2 FBDIMM	240pin	PC2-6400 (800MHz)	RD628G05	Buffered	1.19	64MX8	128X72	1.8V
2GB	DDR2 FBDIMM	240pin	PC2-6400 (800MHz)	RD628G09	Buffered	1.19	128MX8	256X72	1.8V
2GB	DDR2 FBDIMM	240pin	PC2-6400 (800MHz)	RD628G10	Buffered	1.19	128MX8	256X72	1.8V
4GB	DDR2 FBDIMM	240pin	PC2-6400 (800MHz)	RD666G03	Buffered	1.19	256MX4	512X72	1.8V
4GB	DDR2 FBDIMM	240pin	PC2-6400 (800MHz)	RD666G04	Buffered	1.19	256MX4	512X72	1.8V
4GB	DDR2 FBDIMM	240pin	PC2-6400 (800MHz)	RD679G01	Buffered	1.18	128MX8	512X72	1.5V
4GB	DDR2 FBDIMM	240pin	PC2-6400 (800MHz)	RD679G04	Buffered	1.18	128MX8	512X72	1.8V
512MB	DDR2 FBDIMM	240pin	PC2-6400 (800MHz)	RD639G04	Buffered	1.19	64MX8	64X72	1.8V
512MB	DDR2 FBDIMM	240pin	PC2-6400 (800MHz)	RD639G05	Buffered	1.19	64MX8	64X72	1.8V
1GB	DDR2 SOCDIMM	200pin	PC2-4200 (533Mhz)	RD661G03	PLL	1.18	128MX8	128X72	1.8V
1GB	DDR2 SOCDIMM	200pin	PC2-5300 (667Mhz)	RD661G02	PLL	1.18	128MX8	128X72	1.8V
2GB	DDR2 SOCDIMM	200pin	PC2-5300 (667Mhz)	RD661G01	PLL	1.18	256MX8	256X72	1.8V
2GB	DDR2 SODIMM	200pin	PC2-3200 (400 Mhz)	RD625G02	Registered	1.91	128MX8	256X72	1.8V
1GB	DDR2 SODIMM	200pin	PC2-4200 (533Mhz)	RD667G02	Registered	1.18	64MX8	128X72	1.8V
2GB	DDR2 SODIMM	200pin	PC2-4200 (533Mhz)	RD667G03	Registered	1.18	128MX8	256X72	1.8V
2GB	DDR2 SODIMM	200pin	PC2-4200 (533Mhz)	RD625G01	Registered	1.91	128MX8	256X72	1.8V
512MB	DDR2 SODIMM	200pin	PC2-4200 (533Mhz)	RD667G01	Registered	1.18	64MX8	64X72	1.8V
1GB	DDR2 SODIMM	200pin	PC2-5300 (667Mhz)	RD667G05	Registered	1.18	128MX8	128X72	1.8V
1GB	DDR2 SODIMM	200pin	PC2-5300 (667Mhz)	RD625G03	Registered	1.91	128MX8	128X72	1.8V
2GB	DDR2 SODIMM	200pin	PC2-5300 (667Mhz)	RD667G06	Registered	1.18	128MX8	256X72	1.8V
2GB	DDR2 SODIMM	200pin	PC2-5300 (667Mhz)	RD625G05	Registered	1.91	128MX8	256X72	1.8V
512MB	DDR2 SODIMM	200pin	PC2-5300 (667Mhz)	RD667G04	Registered	1.18	64MX8	64X72	1.8V
512MB	DDR2 SODIMM	200pin	PC2-5300 (667Mhz)	RD625G04	Registered	1.91	64MX8	64X72	1.8V
1GB	DDR3 DIMM	240pin	PC2-8500 (1066MHz)	RD675G03	Registered	1.18	128MX8	128X72	1.35V
1GB	DDR3 DIMM	240pin	PC3-10600 (1333MT/S)	RD674G01	Registered	1.18	64MX8	128X72	1.5V
1GB	DDR3 DIMM	240pin	PC3-10600 (1333MT/S)	RD675G01	Registered	1.18	128MX8	128X72	1.5V
2GB	DDR3 DIMM	240pin	PC3-10600 (1333MT/S)	RD665G02	Unbuffered	1.18	128MX8	256X72	1.5V
2GB	DDR3 DIMM	240pin	PC3-10600 (1333MT/S)	RD674G02	Registered	1.18	128MX8	256X72	1.5V
4GB	DDR3 DIMM	240pin	PC3-10600 (1333MT/S)	RD674G03	Registered	1.18	256MX8	512X72	1.5V
4GB	DDR3 DIMM	240pin	PC3-10600 (1333MT/S)	RD665G04	Unbuffered	1.18	256MX8	512X72	1.5V
4GB	DDR3 DIMM	240pin	PC3-10600 (1333MT/S)	RD682G01	Registered	1.18	256MX4	512X72	1.5V
2GB	DDR3 DIMM	240pin	PC3-12800 (1600MT/S)	RD665G08	Unbuffered	1.18	128MX8	256x72	1.5V
4GB	DDR3 DIMM	240pin	PC3-12800 (1600MT/S)	RD665G06	Unbuffered	1.18	256MX8	512X72	1.5V
2GB	DDR3 DIMM	240pin	PC3-6400 (800MT/S)	RD665G07	Unbuffered	1.18	128MX8	256x72	1.5V
2GB	DDR3 DIMM	240pin	PC3-6400 (800MT/S)	RD673G01	Registered	1.18	128MX4	256X72	1.5V
4GB	DDR3 DIMM	240pin	PC3-6400 (800MT/S)	RD665G05	Unbuffered	1.18	256MX8	512X72	1.5V
2GB	DDR3 DIMM	240pin	PC3-8500 (1066MT/S)	RD665G01	Unbuffered	1.18	128MX8	256X72	1.5V
2GB	DDR3 DIMM	240pin	PC3-8500 (1066MT/S)	RD674G04	Registered	1.18	128MX8	256X72	1.5V
4GB	DDR3 DIMM	240pin	PC3-8500 (1066MT/S)	RD674G05	Registered	1.18	256MX8	512X72	1.5V
4GB	DDR3 DIMM	240pin	PC3-8500 (1066MT/S)	RD665G03	Unbuffered	1.18	256MX8	512X72	1.5V
4GB	DDR3 DIMM	240pin	PC3-8500 (1066MT/S)	RD682G02	Registered	1.18	256MX4	512X72	1.5V